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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

December 20, 2007

Ms. Shirley J. Olinger, Manager
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

RECEIVED
JAN 02 2008
EDMC

Mr. William S. Elkins, Project Director
Bechtel National, Inc.
2435 Stevens Center Place, MSIN: H4-02
Richland, Washington 99354

Re: Submittal of Hanford Facility RCRA Permit Modification Notification Form 24590-LAW-PCN-ENV-06-010; Class ¹1 Modification to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion, for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10 (Waste Treatment and Immobilization Plant), WA7890008967

0074660

Dear Ms. Olinger and Mr. Elkins:

The Department of Ecology approves the referenced Class ¹1 Modification submitted December 5, 2007. The approved Hanford Facility RCRA Permit Modification Notification Form is enclosed.

Modification 24590-LAW-PCN-ENV-06-010 provides the updated integrity assessment report (AREVA-IA-102, Revision 0) for the Low-Activity Waste Concentrate Receipt Process System Concentrate Receipt Vessels (LCP-VSL-00001 and LCP-VSL-00002).

If there are any questions, contact me at 509-372-7882 or Tracy Gao at 509-372-7901.

Sincerely,

Brenda Becker-Khaleel
WTP Permit Writer
Nuclear Waste Program

aah/jc
Enclosure

cc: See next page



Ms. Olinger and Mr. Elkins

December 20, 2007

Page 2

cc electronic w/enc:

Dave Bartus, EPA
John Eschenberg, USDOE
Lori Huffman, USDOE
Tony McKarns, USDOE
Gae Neath, USDOE
Don Sommer, USDOE
William Taylor, USDOE
Julie Colby, BNI
Brad Erlandson, BNI
Peggy Fisher, BNI
Stan Hill, BNI
Dennis Klein, BNI
Sandi Murdock, BNI
Phil Peistrup, WGI

cc w/enc:

Administrative Record: Tank Waste Treatment Requirements ✓ H-0-8
Environmental Portal
Hanford Operating Record General File
USDOE-ORP Correspondence Control

Quarter Ending December 31,
2007

24590-LAW-PCN-ENV-06-010

Hanford Facility RCRA Permit Modification Notification Form**Part III, Operating Unit 10****Waste Treatment and Immobilization Plant**

Index

Page 2 of 2: Hanford Facility RCRA Permit, Part III, Operating Unit 10, Waste Treatment and Immobilization Plant
Update the integrity assessment for the Low-Activity Waste (LAW) Concentrate Receipt Process (LCP) System
Concentrate Receipt Vessels, (LCP-VSL-00001 and LCP-VSL-00002) in Appendix 9.11 of the Dangerous Waste
Permit.

Submitted by Co-Operator:

Reviewed by ORP Program Office:

D. A. Klein
D. A. Klein

11/6/07
Date

T. J. Olinger
for S. J. Olinger

12/04/07
Date

Quarter Ending December 31,
2007

24590-LAW-PCN-ENV-06-010

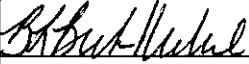
Hanford Facility RCRA Permit Modification Notification Form												
Unit: Waste Treatment and Immobilization Plant		Permit Part & Chapter: Part III, Operating Unit 10										
<p><u>Description of Modification:</u></p> <p>The purpose of this Class 1 prime modification is to update the Integrity Assessment of the Low-Activity Waste (LAW) Concentrate Receipt Process (LCP) System Concentrate Receipt Vessels, (LCP-VSL-00001 and LCP-VSL-00002). The following document is submitted to replace the document currently in Appendix 9.11.</p>												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="padding: 2px;">Appendix 9.11</td> </tr> <tr> <td style="width: 15%; padding: 2px;">Replace:</td> <td style="width: 35%; padding: 2px;">24590-101-SC-HXYG-0074-03-00001, REV. 00A</td> <td style="width: 15%; padding: 2px;">With:</td> <td style="width: 35%; padding: 2px;">AREVA-IA-102, Rev.0</td> </tr> </table>					Appendix 9.11				Replace:	24590-101-SC-HXYG-0074-03-00001, REV. 00A	With:	AREVA-IA-102, Rev.0
Appendix 9.11												
Replace:	24590-101-SC-HXYG-0074-03-00001, REV. 00A	With:	AREVA-IA-102, Rev.0									
<p>This modification requests Ecology approval and incorporation into the permit the above mentioned integrity assessment report. The report has been updated by the Independent Qualified Registered Professional Engineer (IQRPE). The report reflects the IQRPE's review of the following final design documents:</p> <ul style="list-style-type: none"> • Mechanical Data Sheets, Facility and Vendor Fabrication Drawings, Specifications, and Material Requisitions produced in accordance with References: <ul style="list-style-type: none"> ○ ASME Boiler and Pressure Vessel Code (BPV), Section VIII, Division 1, Rules for Construction of Pressure Vessels, American Society of Mechanical Engineers ○ UBC 1997, Uniform Building Code, International Conference of Building Officials ○ AISC Manual of Steel Construction, Allowable Stress Design, American Institute of Steel Construction • 24590-CM-POA-MVA0-00002-02-2, Rev. 00E, Design Calculations for LCP-VSL-00001 and LCP-VSL-00002 												
<p>For each item of "Information Assessed" in the integrity assessment report, the items listed under the "Source of Information" column were reviewed and found to furnish adequate design controls and requirements to ensure the design fully satisfies the requirements of Washington Administrative Code, WAC-173-303-640, <i>Dangerous Waste Regulations</i>.</p>												
WAC 173-303-830 Modification Class: ^{1 2}		Class 1	Class ¹ 1	Class 2	Class 3							
Please mark the Modification Class:			X									
<p>Enter Relevant WAC 173-303-830, Appendix I Modification citation number: N/A</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation:</p> <p>In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class ¹1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."</p>												

¹ Class 1 modifications requiring prior Agency approval.

² If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class ¹1, if applicable.

Quarter Ending December 31,
2007

24590-LAW-PCN-ENV-06-010

<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u></p>	<p>Reviewed by Ecology:</p> <p> 12/20/07</p> <p>B. Becker-Khaleel Date</p>
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